

PROCEEDINGS OF THE
ROYAL ENTOMOLOGICAL SOCIETY
OF LONDON

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VOLUME 9.

No. 5, 1944.

GENERAL MEETING

WEDNESDAY, 7TH JUNE, 1944, at 3.30 p.m.

AGENDA

1. Confirmation of the Proceedings of the General Meeting held on 3rd May, 1944.
2. Recommendations of candidates for Fellowship.
3. Announcement of election of new Fellows.
4. The following additions have been made to the Library since the meeting on 3rd May, 1944.

Presented.

Cave, Estella: *Ant Antics*. London, 1933. [Mr. L. G. Hulls, per Mr. A. Welti.]

Societas Entomologica. A number of parts towards the completion of the Society's set. [Fleet Paymaster T. Bainbrigge Fletcher, R.N.]

Purchased.

Verhandlungen des VII Internationaler Kongress für Entomologie, Berlin 1938. Bd. 3, 4, 5. Berlin 1939-1940.

In addition, separates have been presented by Mr. A. J. A. Woodcock, Mr. H. E. Box, Mr. E. W. Classey, Dr. A. M. Massee, Dr. W. H. Thorpe, the American Entomological Society and the United States Department of Agriculture.

5. Admission of Fellows.
6. Communications.

1. Professor P. A. Buxton, F.R.S.

The Entomology of Mite-carried Typhus.

[Abstract.]

The "harvest mites" of Europe, North America and other parts of the world are larvae of *Trombicula*: related genera attack many types of land vertebrates. *T. autumnalis*, the only species attacking man in Britain, has many mammals and birds as hosts, and occurs in many types of vegetation, wild and cultivated: but it is precisely localised, probably by soil factors, occurring either on chalk or sand and gravel, but not on clay. Only the larva

attacks vertebrates, and it feeds once only, so that it can only transmit micro-organisms if they are hereditary in the mite. The other stages of the mite (nymph, adult, egg) are in the soil.

In Japan a number of species of *Trombicula* occur and larvae may attack man. One of these, *T. akamushi*, belongs properly on voles (*Microtus*) and transmits a *Rickettsia* infection from vole to vole, and occasionally to man. This produces a very serious disease, formerly known as Japanese River Fever, now believed to be much more widely distributed, and best known as mite-borne typhus.

In Japan the disease occurs in those people whose work brings them into places where voles live: it is therefore a disease of cultivators, generally of males. But elsewhere in S.E. Asia (e.g. Malaya, Sumatra, and probably many other areas) the normal host of the infection is *Rattus* and perhaps other rodents. The ecological picture is complicated, for there are such large numbers of species of rodents and of *Trombicula* in that part of the world. Here again, it is men who are in contact with *Rattus* under rural conditions who suffer from the disease.

2. Communications and exhibits the titles of which have been received since the circulation of these agenda.

Fellows are particularly requested to bring suitable exhibits to the General Meetings even though it may not be possible to announce their intention to do so before the meeting.

Tea will be served in the Library after the meeting.

NOTICE.

Fellows are reminded that systematic papers for which they are anxious to secure early publication can now be published with very little delay in *Proceedings Series B*, provided they do not exceed a length of some eight printed pages.

PROCEEDINGS OF THE GENERAL MEETING HELD ON 3RD MAY, 1944.

Dr. E. A. COCKAYNE, M.A., M.D., F.R.C.P., President, in the Chair.

Present, 36 Fellows and 2 Visitors.

The minutes of the meeting held on 5th April were confirmed and signed by the President.

The Secretary read the names of the following new candidates for election : A. C. Braham, G. Ellis, J. McGarvey, M.B., B.Ch., and E. B. Pinniger.

Mr. A. D. A. Russwurm and Mr. E. F. Williams signed the Obligation Book and were admitted Fellows.

The Secretary announced the death of Dr. and Mrs. W. Junk in December 1942 in The Hague. Dr. Junk was well known as a scientific publisher and editor of the *Coleopterorum Catalogus* etc., and news of his death had only just been received through the Netherlands Red Cross.

Thanks were voted to donors of gifts to the Library since the last meeting.

Communications were made by Sir Rickard Christophers, F.R.S., C.I.E., O.B.E., Mr. R. L. E. Ford, and Dr. B. P. Uvarov, C.M.G., abstracts of which appeared on pp. 13-14.

N. D. RILEY, *Hon. Secretary.*

NOTICES

ADMISSION OF FELLOWS

Any Fellow who has not been formally admitted to the Society under Chapter XIV, Section 4 of the Bye-Laws and attends the meeting on 7th June, 1944, is requested to inform the Registrar before 3.15 p.m. on that date.

THE GENERIC NAMES OF BRITISH INSECTS, prepared by the Committee on Generic Nomenclature of the Royal Entomological Society of London, with the assistance of the Department of Entomology of the British Museum (Natural History):

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|---------|------------------------------------------------------------------------------------------------------------|----------------|
| Part 1. | Recommendations relating to the publication of the committee's reports | price 6d. |
| Part 2. | The generic names of the British Rhopalocera with a check list of the species | price 3s. 6d. |
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STYLOPS, a Journal of Taxonomic Entomology.

1932-1935. Vols. 1-4 (all issued). Price £1 16s. 0d. each; to Fellows, £1 7s. 0d.

ABSTRACT OF PROCEEDINGS OF THE ROYAL ENTOMOLOGICAL SOCIETY OF LONDON. 1935. Nos. 1-6 (all issued). 3s. 0d.

HÜBNER: A BIBLIOGRAPHICAL AND SYSTEMATIC ACCOUNT OF THE ENTOMOLOGICAL WORKS OF JACOB HÜBNER AND THE SUPPLEMENTS THERETO. In 2 vols. By Francis Hemming.

Price Vol. 1. 605 pp. £1 15s. 0d.
 „ Vol. 2. 275 pp. 15s. 0d.

The next Meeting will be held on 4th October, 1944, at 3.30 p.m.

Published by THE ROYAL ENTOMOLOGICAL SOCIETY OF LONDON *and sold at its Rooms, 41, Queen's Gate, S.W.7, price 6d.*